SBK No: 46/14-15 dt 28.5.2015

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 1st & FINAL Bill

Date : .....

Division DD

Sub-Division DD

Bill Received No. 310 Dated 13/10/15

Cash Book Voucher No. ..... Dated : .....

Scheduled Doctet No. .....

Head of Account .....

Name of work (as per sanctioned estimate) DRILLING OF BORE WELL PROVIDING PUMP MOTOR AND SERVICING IN NMH LAYOUT SAMPANGIRAMAIAH LAYOUT AND MEENAKSHI LAYOUT IN WARD NO.14 TECHNICAL MANGER (WEST) KRIDL

Name of Contractor and Full Address

Reference to Agreement No. EE/DD/WO/ 04 / 14-15 Date: 5.5.2014

Certified that the measurements were taken by me on 20/5/2015 and recorded in pages 340214 to 340222 of measurements Book No. 3403 and that the work is satisfactorily executed.

Contractor

EXECUTIVE ENGINEER KRIDL, BBMP, Bangalore

Officer - in - charge of work

Certified that the measurements were checked by me on 20/5/15 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment WORK CODE / JOB CODE : 014-13-000172

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ಆರ್. ಪಾಲಿಕೆ ಕಛೇರಿ ಆವರಣ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಪಾಲಿಕೆ
ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು - 560 073

Sub - Division Officer

		AMOUNT
1.	Total value of work done or supplies made as per account.	--
2.	Deduct amount to be held in reserve being ..... percent Rs.	--
3.	- do - Balance	--
4.	Deduct Payments :	
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	
	Amount adjusted towards cash advance recovery of	
	b) Payments cost store or other materials supplied.	
5.	Balance being unpaid value of work done held in reserve	Total --
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments	
7.	Net amount due to or from contractor	
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	
		Total amount adjusted --

Bill Amount - 15,00,000=00

IT - 30,000

VAT - 60,000

ISD - 75000

LWC - 15000

CBF - 1500

Fine - 2900

Ded 184400=00

Net 1315600=00

Received Rs. ..... (in words)

.....

..... by cash and by adjustment of

Payment as per memorandum.

Witnes sre : (In final settlement of all demand)

1.

2.

Date

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Contractor Signature

EXECUTIVE ENGINEER KRIDL, BBMP, Bangalore

Stamp

Signature of Contractor

EXECUTIVE ENGINEER KRIDL, BBMP, Bangalore

(For use in the Office)

Audited and admitted for Rs. 15,00,000=00

Passed by Cheque for Rs. 1315600=00

(.....)

by adjustment 184400=00

Accounts Signature

Exe. Engineer

Executive Engineer

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measurement			Present Measurement			Total Up-to-date		Remarks
			Qty	Rate Rs. Ps.	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting gvenner or schiberger's method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality and acceptability of the users indicating the licating the location of site, recommended depth of 1.0 mtrs in consolidated formation for proper seating of casting pipe, depth of drilling required to cover full depth of acquifer proposed to be tapped, probate yield and other information required including transportation and accessories to work site, engaging technical personal and labour required etc	Each				3.00	1900.00	5700.00	3.00	5700.00	
2	Sinking borewell of 165mm dia clear using super fast Hydrolic rig of capacity 250 PSIG and above 900 CFM and abaove in all strats including over burden upto 20mm fixing of casing pipes collars and cap with necessary, cutting and threading including transportation of rig and supporting vehicles, crew charges and cost of consumbables etclm complete including yield testing at the final depth with a minimum work in on compression for an hour (excluding cost of casing pipes collars cap etc.,)							0.00	0.00	0.00	
	0.00 to 50 mtrs	Mtr				150.00	306.00	45900.00	150.00	45900.00	
	50 to 100 mtrs	Mtr				150.00	400.00	60000.00	150.00	60000.00	
	100 mtrs to 150 mtrs	Mtr				150.00	445.00	66750.00	150.00	66750.00	
	150mtrs to 200 mtrs	Mtr				150.00	470.00	70500.00	150.00	70500.00	
	200.00 to 250.00 mtrs	Mtr				150.00	544.00	81600.00	150.00	81600.00	
	250.00 to 300.00 mtrs	Mtr				150.00	606.00	90900.00	150.00	90900.00	
	300.00 to 350.00 mtrs	Mtr				60.00	624.00	37440.00	60.00	37440.00	
3	Supplying of ISI mark 175 mm nominal bore medium black ERW casing opf 5mm thick black electric resistance contions welded steel tube material and confirming to IS 1387/1993 and manufactured from hot rolled steel skepl/ stripes in rondom length of 4 to 7 mtr both ends threaded confirmning to IS 554/1985 on end (including of all taxed)	Mtr				108.00	1325.00	143100.00	108.00	143100.00	
4	Providing and fixing 250 mm dia PVC pipe and as per specification and directions. Complete as per the specification.	Rmt				60.00	1100.00	66000.00	60.00	66000.00	
5	Providing 175mm dia MS casing cap	Each				3.00	100.00	300.00	3.00	300.00	
6	M.S casing pipe collare 'C' class complete as per specification.	Each				162.00	150.00	24300.00	162.00	24300.00	
7	Supply and delivery at site brand new Texmo/Innoval/Lubi/Sabar/Atalanta/calamal/ waterman/radha make suitable vertical installation in 150mm dia. Borewells composing of single stage stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type squirrel cage submersible induction motor suitabled for operation of 3 Ph, 50Hz., 380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc., complete. The pump and motor shall form an intergral unit with all the required fittings. 15.000 HP 25 stage complete as per specification.	Set				2.00	71265.25	142531.00	2.00	142531.00	
8	Providinga laying & jointing GI pipes confirming to IS specificatiuon of approved make with fitting such as callars bemds elbows tees nipples plugs with cuyts threads using white lead & threads for joints wherecer necessary as per directiuon including all lead & lift etc., complete 'A' grade (excluding cost of fittings) b50 mm dia GI pipe complete as per the specification.	Rmt				640.00	402.50	257600.00	640.00	257600.00	
9	Providing & fixing heavy duty collar complete as per specification.	No				114.00	150.00	17100.00	114.00	17100.00	
10	Supply and drawing 3 core PVC sheathed submersible pump cable manufactured with celectrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts as per 4 sqm of 56 strands 0.3mm dia	Mtr				1300.00	159.50	207350.00	1300.00	207350.00	

	and delivery at site brand new star / Essen / Lotus / Sun shines / Adarsh / GK controls best indigenous make combined meter cum control panel board unit of sie 1200x600x350 mm minimum mechanically strong vermin and water proof. The unit have two detachable doors suitable for operation on 3ph. 50 Hz, 380/440 volts. AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 Hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consists etc., complete the panel board shall be fabricated on single unit in the above components panel board for suitable pumpset with Star delta starter out door type 10 HP to 20 HP	No				2.00	10000.00	20000.00	2.00	20000.00	
12	Fabricating supplying and mounting MS box made out 16 SWG suitable for floor/wall mounting, fully weather proof provision for better heat dissipation proveded with hinged front cover equipped with tamper proof locking a arrangements with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., compelte	sqm				44000.00	0.33	14520.00	44000.00	14520.00	
13	Providing & fixing clamps set and borewell cap to the pump	No				2.00	690.00	1380.00	2.00	1380.00	
14	Supplying & delivery of brand new best make non return valve of size 50mm as per IS 778/84 with laterst amendment with ISI mark	No				4.00	1600.00	6400.00	4.00	6400.00	
15	Supplying & delivery of brand new best make gate valve of size 50mm as per IS 778/84 with laterst amendment with ISI mark. 50mm gate valve for distributer pipeline. 50mm dia	No				4.00	1145.00	4580.00	4.00	4580.00	
16	Providing and fixing 50mm dia GI bend to motor	No				4.00	219.00	876.00	4.00	876.00	
17	Providing and fixing 50mm dia GI Nipple to motor	No				4.00	104.30	417.00	4.00	417.00	
18	Providing and fixing 50mm GI union to the motor	No				4.00	223.70	895.00	4.00	895.00	
19	Lanbour chargtes for end connection	No				2.00	400.00	800.00	2.00	800.00	
20	Labour charges for erection of new / repaioted submersible pumpset along with GI pipes (32-50mm) cable (new submersible pumpset if requited will be supplied by the deparment free of cost and relesed pump set should be handed over to department including transpotation (each length=6.00m)	Per length				108.00	88.00	9504.00	108.00	9504.00	
21	Erection of combined panel board with all necessary materials and labour incluidng providing CC 1:3:6 foundation bed etc., complete for basement out door type.	No				2.00	475.00	950.00	2.00	950.00	
22	Supplying and fixing mainature circuite breakers / isolatore in existing MCB distributin boards using necessary fixing materials and wiring complete as required.40 to 63 amps DP	No				2.00	880.00	1760.00	2.00	1760.00	
23	Supplying and laying of LT UG cable having aluminium conductor PVC insulated sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm PVC cable.	Mtr				60.00	165.00	9900.00	60.00	9900.00	
24	Digging of trenches of 0.6mm x 0.50mtr wide refiling the trench to the required ground level and consolidation etc., complete cutting road surface	Mtr				60.00	55.00	3300.00	60.00	3300.00	
25	Supply and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class (a) 40mm	Mtr				4.00	286.00	1144.00	4.00	1144.00	
26	Supplying fixing and wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia, 2.9 thick GI pie 2.5mtr long buied in a pit. The pit should be filled with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conuit etc., is to be established thourgh GI wire of size as per IISI specification 7.3.3. of ISD 732 using 120mm dia bolts, nuts, washers and chechnus etc., the pipe shall have 16 through of 122mm dia.	No				2.00	1650.00	3300.00	2.00	3300.00	
27	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class for 16 sqmm UG cable filled with necessary bitumen / insulating compound compelte with terminals clamsp, bolts nuts and washers etc.,	No				2.00	264.00	528.00	2.00	528.00	
28	Supplying shunt capaciotor's confirming to 165 IS 2834, 3phase 400/440 volts grade for power factor improvements of roating machinery capacitor in KVAR rating No's	No				2.00	1350.00	2700.00	2.00	2700.00	

29	Providing and fixing gun metal wheel valve conforming to IS specification of approved make as per directions including all lead and lift etc., complete. for 50mm dia	No				4.00	1430.00	5720.00	4.00	5720.00	
30	Supplying and fixing polished wood board made up not less than 15mm thick plank with front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts 20"x2"'x2.5" inches	No				2.00	302.50	605.00	2.00	605.00	
31	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications.	Cum				70.20	223.66	15701.00	70.20	15701.00	
32	Providing and installing at site of work 63mm (0.662) P.V.C pipes of 6kg/ cm 2 including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc.,	Mtr				130.00	324.36	42167.00	130.00	42167.00	
33	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under item.	Cum				70.20	59.36 118.44	4167.00 23688	70.20	4167.00 23688	
34	KPTCL deposit charges	No				2.00	13820.00	27640.00	2.00	27640.00	
35	Transportation of pumping machineries	No				2.00	850.00	1700.00	2.00	1700.00	
36	Erection of pumping machineries	No				2.00	850.00	1700.00	2.00	1700.00	
	Grand Total							**1499425.00**		**1499425.00**	
					Add 11% Cartage			164936.00		1495468.00	
								1664361.00		149547.00	
										1645015.00	

CERTIFICATE:

1 Work done is satisfactory

2 There are no departmental issuesmade to the contractor

3 The contractor has cleared all debrice from work spot

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ಆರ್. ರಾಜರಾಜೇಶ್ವರಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಶಾಂತಲಾನಗರ. ಬೆಂಗಳೂರು - 560 073

Rupees in words One lakh Forty five thousand fifteen rupees only

Amount limited to as per Work Order.
15.00.000:00